

Selected Quotations on Dr. Elishakoff's Work

- "...It was not until 1979, when Elishakoff published his reliability study ... that a method has been proposed, which made it possible to introduce the results of imperfection surveys ...into the analysis ..." (Prof. Johann Arbocz, Delft University of Technology, The Netherlands, Zeitschrift für Flugwissenschaften und Weltraumforschung).
- "...He has achieved world renown...His research is characterized by its originality and a combination of mathematical maturity and physical understanding which is reminiscent of von Kármán..." (Prof. Charles W. Bert, University of Oklahoma).
- "In turbulence-induced vibrations of shells the neglect of cross acceptances between modes leads to useful simplifications....Present paper shows vividly how violation of this condition in a spherical panel...cross terms even dominate the contribution of the direct terms to the mean-square displacement" (D.B. Macvean, Applied Mechanics Reviews).
- "...It is clear that Elishakoff is a world leader in his field...His outstanding reputation is very well deserved..." (Prof. Bernard Budiansky, Harvard University)
- "...Professor Isaac Elishakoff ...is subject-wise very much an "all-round vibrationalist" (P.E.Doak, Editor in Chief, Journal of Sound and Vibration, University of Southampton, England).
- "...This is a beautiful book ..." (Dr. Stephen H. Crandall, Ford Professor of Engineering, M.I.T.)
- "...Das Buch ist in seiner Aufmachung hervorragend gestaltet und kann als äusserst wertvolle Ergänzung... wärmstens empfohlen werden..." (Prof. Horst Försching, Institute of Aeroelasticity, Federal Republic of Germany, Zeitschrift für Flugwissenschaften und Weltraumforschung).
- "...Because of you, Notre Dame is an even better place, a more distinguished University" (Prof. Rev. Theodore M. Hesburgh, President, University of Notre Dame).
- "...It is an impressive volume..." (Prof. Warner T. Koiter, Delft University of Technology, The Netherlands).
- "...This extremely well-written text, authored by one of the leaders in the field, incorporates many of these new applications... Professor Elishakoff's techniques for developing the material are accomplished in a way that

illustrates his deep insight into the topic as well as his expertise as an educator...Clearly, the second half of the text provides the basis for an excellent graduate course in random vibrations and buckling...Professor Elishakoff has presented us with outstanding instrument for teaching” (Prof. Frank Kozin, Polytechnic Institute of New York, American Institute of Aeronautics and Astronautics Journal).

- “...By far the best book on the market today...” (Prof. Niels C.Lind, University of Waterloo, Canada).
- “...The book develops a novel idea... Elegant, exhaustive discussion...The study can be an inspiration for further research and provides excellent applications in design...” (Prof. G. A. Nariboli, “Applied Mechanics Reviews”).
- “...This volume is regarded as an advanced encyclopedia on random vibration and serves aeronautical, civil and mechanical engineers...” (Prof. Rauf Ibrahim, Wayne State University, Shock and Vibration Digest).
- “...The book deals with a fundamental problem in Applied Mechanics and in Engineering Sciences: How the uncertainties of the data of a problem influence its solution. The authors follow a novel approach for the treatment of these problems... The book is written with clarity and contains original and important results for the engineering sciences ...” (Prof. P.D. Panagiotopoulos, University of Thessaloniki, Greece and University of Aachen, Germany, Journal “SIAM Review”).
- “... The content should be of great interest to all engineers involved with vibration problems placing the book well and truly in the category of an essential reference book...” (Prof. I. Pole, “Journal of the British Society for Strain Measurement”).
- “...A good book; a different book...It is hoped that the success of this book will encourage the author to provide sequel in due course...” (Prof. John D. Robson, University of Glasgow, England, “Journal of Sound and Vibration”).
- “...The book certainly satisfies the need that now exists for a readable textbook and reference book...” (Prof. Masanobu Shinozuka, Columbia University, NYC).
- “...Author ties together reliability, random vibration and random buckling ...Well written...useful book...” (Dr. H. Saunders, “Shock and Vibration Digest”).

- "A very useful text that includes a broad spectrum of theory and application is by I. Elishakoff" (book "Mechanical Vibration", Prof. Haim Benaroya, Prentice Hall).
- "...A treatise on random vibration and buckling...The reviewer wishes to compliment the author for the completion of a difficult task in preparing this book on a subject matter, which is still developing in many fronts..." (Prof. James T.P. Yao, Texas A&M University, "Journal of Applied Mechanics").
- "...It seems to me a hard work with great result..." (Prof. Hans G. Natke, University of Hannover, Federal Republic of Germany).
- "The approach is novel and could dominate the future practice of engineering" (Journal "The Structural Engineer").
- "An...excellent presentation...well written... all readers, students, and certainly reviewers should read this preface for its excellent presentation of the philosophy and *raison d'être* for this book. It is well written, with the material presented in an informational fashion as well as to raise questions related to unresolved...challenges; in the vernacular of film critics, *thumbs up*" (Dr. R.L. Sierakowski, U.S. Air Force Research Laboratory, "AIAA Journal").
- "This substantial and attractive volume is a well-organized and superbly written one that should be warmly welcomed by both theorists and practitioners... Profs. Elishakoff, Li, and Starnes, Jr. have given us a jewel of a book, one done with care and understanding of a complex and essential subject and one that seems to have ably filled a gap existing in the present-day literature and practice"(Current Engineering Practice).

"Most of the subjects covered in this outstanding book have never been discussed exclusively in the existing treatises...This unique book prepared by Isaac Elishakoff, one of the eminent solid mechanics experts of the 20th century and the present one, and his distinguished coauthors, will be of enormous use..." (Ocean Engineering).
- "The treatment is scholarly, having about 900 items in the bibliography and additional contributors in the writing of almost every chapter...This reviewer believes that *Non-Classical Problems in the Theory of Elastic Stability* should be a useful reference for researchers, engineers, and graduate students in aeronautical, mechanical, civil, nuclear, and marine engineering, and in applied mechanics." (Applied Mechanics Reviews)
- "What more can be said about this monumental work, other than to express admiration? ... The study is of great academic interest and is clearly a labor of love. The author is to be congratulated on this work..."

-- Dr. H.D. Conway, Professor Emeritus, Department of Theoretical and Applied Mechanics, Cornell University

- “[Book] is prepared by Isaac Elishakoff, one of the eminent solid mechanics experts of the 20th century and the present one, and his distinguished coauthors, will be of enormous use to researchers, graduate students and professionals in the fields of ocean, naval, aerospace and mechanical engineers as well as other fields (Prof. Patricio A. A. Laura, Prof. Carlos A. Rossit, Prof. Diana V. Bambill, Universidad Nacional del Sur, Argentina, Journal “Ocean Engineering”).
- “This book is an outstanding research monograph. . . extremely well written, informative, highly original . . . great scholarly contribution . . . There is no comparable book discussing combination of optimization and anti-optimization . . . magnificent monograph . . . This book, which certainly is written with love and passion, is first of its kind in applied mechanics literature, and has a potential of revolutionary impact on both uncertainty analysis and optimization” (Prof. Izuru Takewaki, Kyoto University, Journal “Engineering Structures”).
- “This book is a collection of a surprisingly large number of closed form solutions, by the author and by others, involving the buckling of columns and beams, and the vibration of rods, beams and circular plates. The structures are, in general, inhomogeneous. Many solutions are published here for the first time. The text starts with an instructive review of direct, semi-inverse, and inverse eigenvalue problems. Unusual, closed form solutions of column buckling are presented first, followed by closed form solutions of the vibrations of rods. Unusual, closed form solutions for vibrating beams follow. The influence of boundary conditions on eigenvalues is discussed. An entire chapter is devoted to boundary conditions involving guided ends. Effects of axial loads and of elastic foundations are presented in two separate chapters. The closed form solutions of circular plates concentrate on axisymmetric vibrations. The scholarly effort that produced this book is remarkable” (Prof. W. Soedel, Then Editor-in-Chief of journal Sound and Vibration).
- “...the field has been brilliantly presented in the book form...” (Prof. Luis A. Godoy et al, Institute of Advanced Studies in Engineering and Technology, Science Research Council of Argentina and National University of Cordoba, Argentina, “Thin-Walled Structures”).
- “Elishakoff is one of the pioneers in the use of the probabilistic approach for studying imperfection-sensitive structures” (Prof. Chiara Bisagni and Dr. Michela Alfano, AIAA Journal, 2017).
- “Recently, Elishakoff et al presented an excellent literature review on the

historical development of Timoshenko's beam theory." (Prof. Zhenlei Chen et al, Journal of Building Engineering, 2019).